



Claims 1-20 and 22-24 have been rejected under 35 U.S.C. § 112, first paragraph for lack of enablement. The Examiner maintains that the specification, while being enabling for compounds wherein phosphocholine is directly linked to steroids, is not enabling for attachment through the multitudes of linkers and moieties defined for X.. The Examiner asserts that it is unclear if the multitude of compounds covered by claims 1-9 could be prepared, and even if they could, it is unclear whether they would retain the required drug efficacy. With respect to preparation of the claimed compounds, the Examiner asserts that the specification provides no guidance at all as to how the various linkers and X moieties are attached to the various drugs claimed, and that the only working example in the specification is the attachment of a specific steroid with direct linkage to phosphocholine (not through a linker or an X moiety). The Examiner concludes that in the absence of a broad basis of support in the specification with regard to what linker and X moiety may be attached to what drug the claims must be limited to drugs directly attached to the phosphocholine.

Claims 4-7 and 16 have been cancelled, rendering the rejection of these claims moot.

With respect to pending claims 1-3, 8-15, 17-20, and 22-24, this rejection is not believed to be well taken, and is respectfully traversed.

The presently pending claims are directed to compounds wherein the linker moiety is substituted or unsubstituted alkanoyl, substituted or unsubstituted alkenoyl, or (*ortho or para*) carbonyl-substituted aryl, and the X group is oxygen.

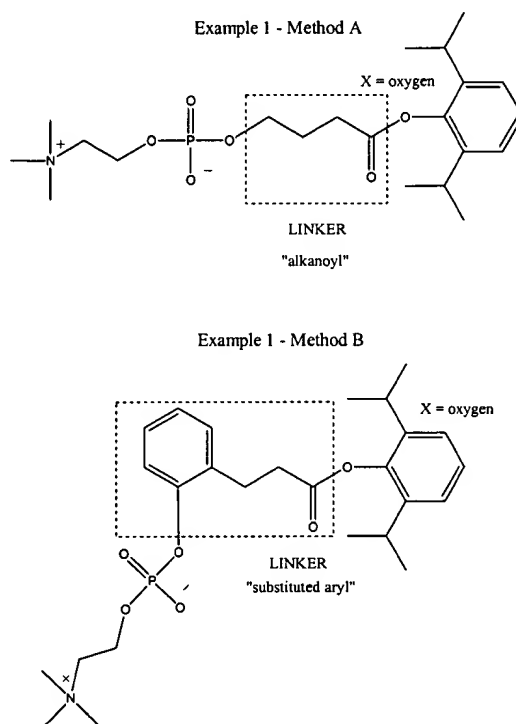
Contrary to the Examiner's assertions, the presently claimed compounds wherein X is oxygen and the linker is alkanoyl, alkenoyl, or substituted aryl are fully enabled by the specification.

The Examiner's attention is directed to pages 14 and 15 of the specification, wherein synthetic routes for preparing the claimed drug-X-linker-therapeutic agent compounds are described. A claimed compound can be enabled without disclosing working examples of the

{W:\05412\100e887us2\00303126.DOC [REDACTED]}

preparation of the compound. “Compliance with the enablement requirement of 35 U.S.C. 112, first paragraph, does not turn on whether an example is disclosed.” M.P.E.P. §2164.02.

Moreover, the Examiner's assertions respecting the working examples of the present specification (Example 1, Methods A and B, set forth at pages 16 and 17) are incorrect. Example 1 discloses the synthesis of the following two compounds:



As can clearly be seen, the phosphocholine moiety in the compounds exemplified in Example 1, methods A and B, is not directly attached to the therapeutic agent (2,6-diisopropylphenol), as incorrectly asserted by the Examiner. Rather, the compound prepared by Method A contains an alkanoyl linker (and oxygen as the X group), and is, in fact, the subject matter of claim 17. The compound of Method A is prepared by hydrogenation of the corresponding alkenoyl linker containing intermediate (see page 16, lines 32-33 of the specification). The compound exemplified in example 1, Method B contains a carbonyl substituted aryl linker (and oxygen as the X group), and is the subject matter of new claim 26.





pharmaceutically active agents, **specifically by conjugation of such agents via a free carboxy group** to a phospholipid (emphasis added).

Therefore, one of ordinary skill in the art would have had no reasonable expectation of success that conjugates could be formed by linking the therapeutic agent to the phosphocholine by attachment of the agent to a linker via an alcohol functionality.

Moreover, the only drugs disclosed in Chasalow are seratrodast, isbrogrel, indomethacin, ridogrel, salicamide, aspirin, probenecid, tenidap, daltroban (see col. 2, lines 1-13, and col. 4, lines 33-34) and DHEA (Example 5). Chasalow provides no motivation or suggestion to prepare phosphocholine derivatives of drugs other than these specific therapeutic agents, such as the sedative 2,6-diisopropyl phenol (propofol), as required by present claims 16, 17, 22, 25, and 26 . These phosphocholine derivatives would have been at best “obvious to try,” without a reasonable expectation of success. However, as the Examiner knows, “obvious to try” without reasonable expectation of success is not the standard under 35 U.S.C. § 103. The proper test requires determining what the prior art would have led the skilled person *to do*.

The Examiner's attention is directed to the Federal Circuit's decision in *In re O'Farrell*, 853 F.2d 984, 7 USPQ2d 1673 (Fed. Cir. 1988). In particular, the court noted:

In some cases, what would have been "obvious to try" would have been to vary all parameters or try each of numerous possible choices until one possibly arrived at a successful result, where the prior art gave either no indication of which parameters were critical or no direction as to which of many possible choices is likely to be successful.

One of ordinary skill in the art would simply not have been motivated, based on the disclosure of Chasalow, to prepare the claimed compounds of formula (I) wherein a water insoluble steroid, anesthetic or sedative agent, such as propofol, is linked to a phosphocholine moiety via an alcohol functional group.

Accordingly, the present claims are not obvious over Chasalow. Applicants respectfully request that the rejection be withdrawn.

In view of the above amendments and arguments, the pending claims in this application are believed to be in condition for allowance. Accordingly, the Examiner is respectfully requested to enter this Amendment, and to pass this application to issue.

Dated: November 24, 2004

Respectfully submitted,

By Howard M. Frankfort  
Howard M. Frankfort, Ph.D.

Registration No.: 32,613

DARBY & DARBY P.C.

P.O. Box 5257

New York, New York 10150-5257

(212) 527-7700

(212) 753-6237 (Fax)

Attorneys/Agents For Applicant